

INGRASSIA FISHER & LORENZ, P.C.

7150 E. CAMELBACK, SUITE 325

SCOTTSDALE, ARIZONA 85251

Telephone: (480) 385-5060

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TO:	FROM:
Examiner Trinh Vo Dinh	Andrew Y. Pang (Reg. No. 40,114)
COMPANY:	DATE:
USPTO - Art Unit 2821	OCTOBER 11, 2005
FAX NUMBER:	TOTAL NO. OF PAGES INCLUDING COVER:
(571) 273-8300	19
PHONE NUMBER:	SENDER'S REFERENCE NUMBER:
	022.0008 (1630)
RE:	REFERENCE NUMBER:
Request to Correct Inventorship	10/661,652
NOTES/COMMENTS:	

FORMAL COMMUNICATION
INTENDED FOR ENTRY**RECEIVED
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OCT 13 2005**

THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED, AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAWS. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT, OR THE EMPLOYER OR AGENT RESPONSIBLE FOR DELIVERING THE MESSAGE TO THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE AND RETURN ORIGINAL MESSAGE TO US AT THE ABOVE ADDRESS VIA U.S. POSTAL SERVICE.

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INGRASSIA FISHER & LORENZ PC

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No. 3304 P. 2

OCT 11 2005

PTO/SB/21 (09-04)

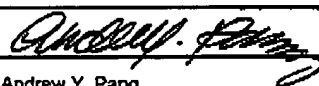
Approved for use through 07/31/2006. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/681,852	
	Filing Date	September 12, 2003	
	First Named Inventor	Richard T. Knadle Jr.	
	Art Unit	2821	
	Examiner Name	Trinh Vo Dinh	
Total Number of Pages in This Submission	18	Attorney Docket Number	022.0008 (1630)


ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 2 pgs Request to Correct Inventorship 2 pgs Consent of Assignee 9 pgs Declaration 1 pg Power of Attorney 3 pgs Strmts from Inventors
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Ingrassia Fisher & Lorenz, P.C.		
Signature			
Printed name	Andrew Y. Pang		
Date	10-11-05	Reg. No.	40,114

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature			
Typed or printed name	Andrew Y. Pang	Date	10-11-05

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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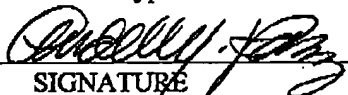
In re application of:

OCT 11 2005

Applicant(s):	Richard T. Knadle, JR. et al.	Examiner:	Dinh, Trinh Vo
Serial No.:	10/661,652	Group:	2821
Filed:	September 12, 2003	Docket No:	022.0008 (1630)
Titled:	DIRECTIONAL ANTENNA ARRAY		

CERTIFICATE OF MAILING

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED
WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN
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Date of Deposit
Andrew Y. Pang (Reg. No. 40,114)
Type or Print Name of Person Signing Certificate
 10-11-05
SIGNATURE DATE

REQUEST TO CORRECT INVENTORSHIP IN NONPROVISIONAL APPLICATION -
CHANGE OF INVENTORSHIP AFTER OATH/DECLARATION FILED (37 CFR 1.48(a))

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

1. This request is submitted to correct the incorrect original naming of inventor(s) in the Declaration for U.S. Application No. 10/661,652 filed on September 12, 2003 as set for under 37 CFR 1.48(a).

2. Addition and/or Deletion of Inventor(s) (check and complete all applicable items)
☒ Add the following previously unnamed person(s) as inventor(s) of this application:
Mark William Duron

☒ Delete the following previously incorrectly named inventor(s):

Robert P. PandorfMinh Luong Ngoc

10/13/2005 HDEMESS1 00000005-502091-10661652

01 FC:1464

130.00 DA

3. Attached is:

- (a) A statement from: (check items below that apply)
- ☒ each person being added as an inventor that the error in inventorship occurred without deceptive intention on his or her part. 37 CFR 1.48 (a) (2).
- ☒ each person being deleted as an inventor that the error in inventorship occurred without deceptive intention on his or her part. 37 CFR 1.48 (a) (2).
- (b) ☒ a declaration by each of the actual inventor(s) as required by 37 CFR 1.63 (or as permitted by 1.42, 1.43, OR 1.47). 37 CFR 1.48 (a) (3).
- (c) ☒ Written assent of the assignee. (if any of the original inventors executed an assignment) 37 CFR 1.48 (a) (5).

4. Fee Payment (37 CFR 1.17 (i))

The fee required is paid as follows:

- ☐ Attached is a
- ☐ a check in the amount of \$ _____
- ☐ money order in the amount of \$ _____
- ☒ Authorization is hereby made to charge the amount of \$ 130.00
- ☒ to Deposit Account No. 50-2091
- ☐ to Credit card as shown on the attached credit card information authorization form PTO-2038.

WARNING: Credit card information should not be included on this form as it may become public.

☒ Charge any additional fees required by this paper or credit any overpayment in the manner authorized above.

Ingrassia Fisher & Lorenz, PC
Customer Number 29,906

Respectfully submitted,

By: 

Attorney/Agent: Andrew Y. Pang

Registration No.: 40,114

Telephone: 480-385-5060

Facsimile: 480-385-5061

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022.0008 (1630)
PATENT

OCT 11 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: :

Richard T. Knadle, JR. et al. : Atty Docket No.: 022.0008 (1630)

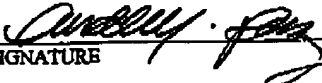
Serial No.: 10/661,652 : Examining Group: 2821

Filed: September 12, 2003 : Examiner: Dinh, Trinh Vo

For: **DIRECTIONAL ANTENNA ARRAY**

CERTIFICATE OF MAILING

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO:
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ON: 10-11-05
Date of Deposit
Andrew Y. Pang
Type or Print Name of Person Signing Certificate
 10-11-05
SIGNATURE DATE

CONSENT OF ASSIGNEE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The undersigned hereby states that the subsequently identified assignment documents evidencing an assignment of the above-identified patent application to Symbol Technologies, Inc. (hereinafter referred to as the "Assignee") have been reviewed, and further certifies that to the best of Assignee's knowledge and belief, the Assignee is the owner of all right, title and interest in the above-identified patent application.


Assignment Documents: 1) filed concurrently herewith for inventor Mark William Duron to Symbol Technologies, Inc. (copy attached hereto as Exhibit A).

022.0008 (1630)
PATENT

- 2) previously filed for inventors Richard T. Knadle, JR., Hal Charych, Henry Grossfeld, and Raj Bridgelall to Symbol Technologies, Inc., and recorded at Reel 014906 and frame 0375 on 01/22/2004.

The undersigned, whose title is supplied below, further states that he is empowered to act on behalf of the Assignee and hereby consents to amending the inventorship of the above-identified application to include Mark William Duron and exclude Robert P. Pandorf and Minh Luong Ngoc.

Date: 13 Jun 05

Signature: 
Aaron B. Bernstein, Vice President
Symbol Technologies, Inc.

PTO/SB/01 (09-04)

Approved for use through 07/31/2008. OMB 0851-0032

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

☐ Declaration
Submitted
With Initial
Filing

OR

☒ Declaration
Submitted after Initial
Filing (surcharge
(37 CFR 1.16 (e))
required)

Attorney Docket
Number 022.0008 (1630)

First Named Inventor Richard T. Knadle, JR.

COMPLETE IF KNOWN

Application Number 10/661,652

Filing Date September 12, 2003

Art Unit 2821

Examiner Name Dinh, Trinh Vo

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

DIRECTIONAL ANTENNA ARRAY

(Title of the Invention)

the specification of which

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY) 09/12/03 as United States Application Number or PCT International

Application Number 10/661,652 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
			<input type="checkbox"/>	YES <input type="checkbox"/>	NO <input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/01 (09-04)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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DECLARATION — Utility or Design Patent Application

Direct all correspondence to:	<input checked="" type="checkbox"/> The address associated with Customer Number:	29,906	OR	<input type="checkbox"/> Correspondence address below
Name				
Address				
City		State		ZIP
Country		Telephone		Fax
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.				
NAME OF SOLE OR FIRST INVENTOR:			<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])			Family Name or Surname	
RICHARD T.			KNADLE, JR.	
Inventor's Signature				Date
Residence: City	State	Country	Citizenship	
DIX HILLS	New York	U.S.A.	U.S.	
Mailing Address				
316 VANDERBILT PKWY				
City	State	Zip	Country	
DIX HILLS	NEW YORK	11748-5858	USA	
NAME OF SECOND INVENTOR:			<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])			Family Name or Surname	
MARK WILLIAM			DURON	
Inventor's Signature				Date
Residence: City	State	Country	Citizenship	
EAST PATCHOGUE	NEW YORK	USA	U.S.	
Mailing Address				
140B LA BONNE VIE DRIVE				
City	State	Zip	Country	
EAST PATCHOGUE	NEW YORK	11772	USA	
<input checked="" type="checkbox"/> Additional inventors or a legal representative are being named on the 1 supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.				

[Page 2 of 2]

PTO/SB/02A (09-04,

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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DECLARATION	ADDITIONAL INVENTOR(S) Supplemental Sheet
Page <u>1</u> of <u>1</u>	

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
HAL		CHARYCH	
Inventor's Signature <i>Hal Charych</i>		Date <i>9/31/05</i>	
Poquott Residence: City	New York State	U.S.A. Country	U.S. Citizenship
2 The Overlook			
Mailing Address			
POQUOTT City	NEW YORK State	11733 Zip	USA Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
HENRY		GROSSFELD	
Inventor's Signature		Date	
Great Neck Residence: City	New York State	U.S.A. Country	U.S. Citizenship
50 NASSAU ROAD			
Mailing Address			
GREAT NECK City	NEW YORK State	11021 Zip	USA Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
RAJ		BRIDGELALL	
Inventor's Signature		Date	
Morgan Hill Residence: City	California State	U.S.A. Country	U.S. Citizenship
P.O. Box 2095			
Mailing Address			
MORGAN HILL City	CALIFORNIA State	95038 Zip	USA Country

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/01 (09-04)

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**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**Declaration
Submitted
With Initial
Filing

OR

Declaration
Submitted after Initial
Filing (surcharge
(37 CFR 1.16 (e))
required)Attorney Docket
Number 022.0008 (1630)

First Named Inventor Richard T. Knadle, JR.

COMPLETE IF KNOWN

Application Number 10/881,652

Filing Date September 12, 2003

Art Unit 2821

Examiner Name Dinh, Trinh Vo

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

DIRECTIONAL ANTENNA ARRAY

(Title of the Invention)

the specification of which



is attached hereto

OR



was filed on (MM/DD/YYYY)

09/12/03

as United States Application Number or PCT International

Application Number

10/881,652

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

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DECLARATION — Utility or Design Patent Application

Direct all correspondence to:	<input checked="" type="checkbox"/> The address associated with Customer Number:	29,906	OR	<input type="checkbox"/> Correspondence address below
Name				
Address				
City		State	ZIP	
Country	Telephone		Fax	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.				
NAME OF SOLE OR FIRST INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle (if any))		Family Name or Surname		
RICHARD T.		KNADLE, JR.		
Inventor's Signature			Date	
Residence: City	State	Country	Citizenship	
DIX HILLS	New York	U.S.A.	U.S.	
Mailing Address				
316 VANDERBILT PKWY				
City	State	Zip	Country	
DIX HILLS	NEW YORK	11746-5858	USA	
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle (if any))		Family Name or Surname		
MARK WILLIAM		DURON		
Inventor's Signature			Date	
Residence: City	State	Country	Citizenship	
EAST PATCHOGUE	NEW YORK	USA	U.S.	
Mailing Address				
140B LA BONNE VIE DRIVE				
City	State	Zip	Country	
EAST PATCHOGUE	NEW YORK	11772	USA	
<input checked="" type="checkbox"/> Additional inventors or a legal representative are being named on the 1 supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.				

PTO/SB/02A (05-04)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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DECLARATION	ADDITIONAL INVENTOR(S) Supplemental Sheet <div style="text-align: right;">Page <u>1</u> of <u>1</u></div>
--------------------	------------------------------------------------------------------------------------------------------------------------

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
HAL		CHARYCH	
Inventor's Signature		Date	
Poquott Residence: City	New York State	U.S.A. Country	U.S. Citizenship
2 The Overlook			
Mailing Address			
POQUOTT City	NEW YORK State	11733 Zip	USA Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
HENRY		GROSSFELD	
Inventor's Signature		Date	
Great Neck Residence: City	New York State	U.S.A. Country	U.S. Citizenship
50 NASSAU ROAD			
Mailing Address			
GREAT NECK City	NEW YORK State	11021 Zip	USA Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
RAJ		BRIDGELALL	
Inventor's Signature <i>Raj Bridgelall</i>		Date <i>9/28/05</i>	
Morgan Hill Residence: City	California State	U.S.A. Country	U.S. Citizenship
P.O. Box 2095			
Mailing Address			
MORGAN HILL City	CALIFORNIA State	95038 Zip	USA Country

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/01 (09-04)

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DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

☐ Declaration
Submitted
With Initial
Filing

OR

☒ Declaration
Submitted after Initial
Filing (surcharge
(37 CFR 1.16 (e))
required)

Attorney Docket Number	022.0008 (1630)
---------------------------	-----------------

First Named Inventor	Richard T. Knadle, JR.
----------------------	------------------------

COMPLETE IF KNOWN

Application Number	10/661,652
--------------------	------------

Filing Date	September 12, 2003
-------------	--------------------

Art Unit	2821
----------	------

Examiner Name	Dinh, Trinh Vo
---------------	----------------

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

DIRECTIONAL ANTENNA ARRAY

(Title of the Invention)

the specification of which

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY)

09/12/03

as United States Application Number or PCT International

Application Number

10/661,652

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

(Page 1 of 2)

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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DECLARATION — Utility or Design Patent Application

Direct all correspondence to:	<input checked="" type="checkbox"/> The address associated with Customer Number:	29,906	OR	<input type="checkbox"/> Correspondence address below
Name				
Address				
City		State	ZIP	
Country	Telephone		Fax	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.				
NAME OF SOLE OR FIRST INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle [if any])		Family Name or Surname		
RICHARD T. <i>Richard T. Knadle, Jr.</i>		KNADLE, JR.		
Inventor's Signature <i>Richard T. Knadle, Jr.</i>		Date		<i>10/3/05</i>
Residence: City	State	Country	Citizenship	
DIX HILLS	New York	U.S.A.	U.S.	
Mailing Address 316 VANDERBILT PKWY				
City	State	Zip	Country	
DIX HILLS	NEW YORK	11748-5858	USA	
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle [if any])		Family Name or Surname		
MARK WILLIAM		DURON		
Inventor's Signature <i>Mark William Duron</i>		Date		<i>8-23-05</i>
Residence: City	State	Country	Citizenship	
EAST PATCHOGUE	NEW YORK	USA	U.S.	
Mailing Address 1408 LA BONNE VIE DRIVE				
City	State	Zip	Country	
EAST PATCHOGUE	NEW YORK	11772	USA	
<input checked="" type="checkbox"/> Additional inventors or a legal representative are being named on the 1 supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.				

[Page 2 of 2]

PTO/SB/02A (08-04)

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DECLARATION	ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>1</u> of <u>1</u>
--------------------	----------------------------------------------------------------------------------

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
HAL		CHARYCH	
Inventor's Signature		Date	
Poquott Residence: City	New York State	U.S.A. Country	U.S. Citizenship
2 The Overlook			
Mailing Address			
POQUOTT City	NEW YORK State	11733 Zip	USA Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
HENRY		GROSSFELD	
Inventor's Signature		Date	
Great Neck Residence: City		New York State	U.S.A. Country
60 NASSAU ROAD		U.S. Citizenship	
Mailing Address			
GREAT NECK City	NEW YORK State	11021 Zip	USA Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
RAJ		BRIDGELALL	
Inventor's Signature		Date	
Morgan Hill Residence: City	California State	U.S.A. Country	U.S. Citizenship
P.O. Box 2095			
Mailing Address			
MORGAN HILL City	CALIFORNIA State	95038 Zip	USA Country

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/SB/81 (11-04)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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POWER OF ATTORNEY and CORRESPONDENCE ADDRESS INDICATION FORM	Application Number	10/661,652
	Filing Date	September 12, 2003
	First Named Inventor	Richard T. Knadle, Jr.
	Title	DIRECTIONAL ANTENNA ARRAY
	Art Unit	2821
	Examiner Name	Dinh, Trinh Vo
	Attorney Docket Number	022.0008 (1630)

I hereby revoke all previous powers of attorney given in the above-identified application.

I hereby appoint:

☒ Practitioners associated with the Customer Number:

29,906

AND

☒ Practitioner(s) named below:

Name	Registration Number
Aaron Bernstein	36,745
Glenn F. Frankenberger	41,024

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☒ The address associated with the above-mentioned Customer Number:

OR

29,906

☐ The address associated with Customer Number:

OR

☐ Firm or Individual Name

Address

City

State

Zip

Country

Telephone

Fax

I am the:

☒ Applicant/Inventor☐ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Signature	<i>Mark William Duron</i>	Date	9-22-05
Name	Mark William Duron	Telephone	631-738-5041
Title and Company	RF Engineer, Symbol Technologies		

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☐ *Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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OCT 11 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Richard T. Knadle JR. et al.

: Atty Docket No.: 022.0008 (1630)

Serial No.: 10/661,652

: Examining Group: 2821

Filed: September 12, 2003

: Examiner: Dinh, Trinh Vo

For: **DIRECTIONAL ANTENNA ARRAY**

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO:
COMMISSIONER FOR PATENTS, P.O. Box 1450, Alexandria, VA 22313-1450

ON:

10-11-05
Date of DepositAndrew Y. Pang

Type or Print Name of Person Signing Certificate

SIGNATURE

DATE

STATEMENT OF MARK W. DURON

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

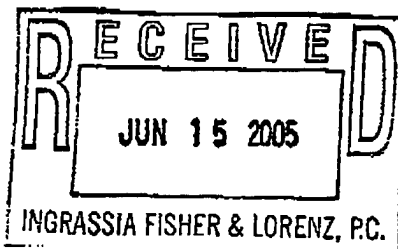
I, Mark William Duron, hereby state that I am a joint inventor of United States Patent Application Serial No. 10/661,652, filed on September 12, 2003, having the following title of invention: "**DIRECTIONAL ANTENNA ARRAY.**"

Furthermore, I, Mark William Duron, hereby state that the error in inventorship occurred without deceptive intention.

Date:

June 15, 2005

Signature:

Mark W. Duron
Mark William Duron

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OCT 11 2005

022.0008 (1630)
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: application of: :

Richard T. Knadle JR. et al. : Atty Docket No.: 022.0008 (1630)

Serial No.: 10/661,652 : Examining Group: 2821

Filed: September 12, 2003 : Examiner: Dinh, Trinh Vo

For: **DIRECTIONAL ANTENNA ARRAY**

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER FOR PATENTS, P.O. Box 1450, Alexandria, VA 22313-1450

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10-11-05
Date of Deposit

Andrew Y. Pang
Type or Print Name of Person Signing Certificate


SIGNATURE

10-11-05
DATE

STATEMENT OF MINH LUONG NGOC

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

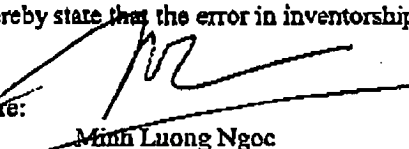
Sir:

I, Minh Luong Ngoc, hereby state that I am not a joint inventor of United States Patent Application Serial No. 10/661,652, filed on September 12, 2003, having the following title of invention: **"DIRECTIONAL ANTENNA ARRAY."**

Furthermore, I, Minh Luong Ngoc, hereby state that the error in inventorship occurred without deceptive intention.

Date: Aug. 23/2005

Signature:


Minh Luong Ngoc

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OCT 11 2005 PATENT

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In re application of:

Richard T. Knadle JR. et al.

: Atty Docket No.: 022.0008 (1630)

Serial No.: 10/661,652

: Examining Group: 2821

Filed: September 12, 2003

: Examiner: Dinh, Trinh Vo

For: **DIRECTIONAL ANTENNA ARRAY**

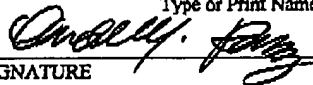
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ON:

10-11-05
Date of DepositAndrew Y. Pang

Type or Print Name of Person Signing Certificate

SIGNATURE



DATE

10-11-05**STATEMENT OF ROBERT P. PANDORF**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

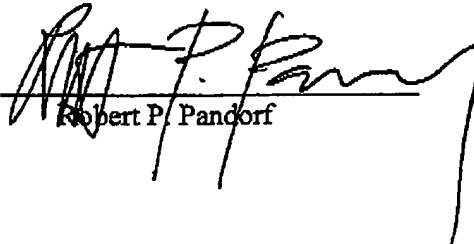
I, Robert P. Pandorf, hereby state that I am not a joint inventor of United States Patent Application Serial No.10/661,652, filed on September 12, 2003, having the following title of invention: **"DIRECTIONAL ANTENNA ARRAY."**

Furthermore, I, Robert P. Pandorf, hereby state that the error in inventorship occurred without deceptive intention.

Date:

9/13/05

Signature:


Robert P. Pandorf